

S116357



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D130-1048-012
Job Sheet 184196

Accounting Job RD17-1048-01



PRELIMINARY
ISSUE

Part No: D130-1048-012

Job Qty: 1 ea

Part Name: EC130 Skidtube Installation, RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/3/18

Job Tracking No:

Due Date: 10/3/18

Created By: Jesse White

Type: R+D

Description:

Note: TBD DWG D130-1048-012 PRELIM. DP verify DD 17.07.09

Ship Via:

DWG Rev A

AS
5
9-89

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	10/3/18	10/3/18	0.00	0.00	Start Up Handfinish		mdf 18.10.05
110	HandFinish	1 pcs	10/3/18	10/3/18	0.00	0.50	HandFinish4		22 18-10-05
120	QC	1 pcs	10/3/18	10/3/18	0.00	0.00	QC5		PD 18-10-05
130	Packaging	1 pcs	10/3/18	10/3/18	0.00	0.00	Packaging1-6		N/A
135	QC	1 pcs	10/3/18	10/3/18	0.00	0.00	QC4		
140	Packaging	1 pcs	10/3/18	10/3/18	0.00	0.00	Packaging3-2		
155	DC	1 pcs	10/3/18	10/3/18	0.00	0.00	DC		
165	QC21-SA	1 Ea	10/3/18	10/3/18	0.00	0.00	QC21		mdf 18.10.05

Part Op 110 - ASSEMBLE AS PER DWG

Descriptions: 130 - BAG AND ID HARDWARE.

140 - identify and pack for shipping as per PPP D130-1048-012 Location: _____ PPP Rev: _____

155 - Photocopy blue file and create labels as per PPP D130-1048-012 chg 001

1005772

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
22201BC120090L	Bolt	1 Ea (1 ea)	90-Start up Operation	5107718
23111AG120LE	Washer	1 Ea (1 ea)	90-Start up Operation	N/A
AN3C5A	Bolt	8 Ea (8 ea)	90-Start up Operation	5082907
AN8C56A	Bolt	3 Ea (3 ea)	90-Start up Operation	5109122
ASN52320BH120N	Nut	1 Ea (1 ea)	90-Start up Operation	Fm135585
D130-1048-042	EC130 Skidtube Assembly, RH	1 Ea (1 ea)	90-Start up Operation	5113882
D5465-2	FWD RH OEM Replacement Wearplate	1 Ea (1 ea)	90-Start up Operation	
D5478-1	AFT OEM Replacement Wearplate	1 Ea (1 ea)	90-Start up Operation	5004477
D5569-1	Skidtube Blade	1 Ea (1 ea)	90-Start up Operation	N/A
D5570-1	Blade Plug	1 Ea (1 ea)	90-Start up Operation	N/A
D5594-1	OH Bushing	6 Ea (6 ea)	90-Start up Operation	
D5594-3	OH Washer	6 Ea (6 ea)	90-Start up Operation	
NAS1149C0332R	Washer	8 Ea (8 ea)	90-Start up Operation	5104354
NAS1149C0832R	Washer	3 Ea (3 ea)	90-Start up Operation	5076017
NAS1291C8	Nut, Self Locking	3 Ea (3 ea)	90-Start up Operation	5112907
23111AG100LE	Washer	1 Ea (1 ea)	130-Packaging	5101932
ASNA0045BC100L	Nut, Castellated	1 Ea (1 ea)	130-Packaging	5109874
DHS411-101.3106	Metric Hex Head Aerospace Bolt	1 Ea (1 ea)	130-Packaging	5093539
EN2367-18028	Cotter Pin	1 Ea (1 ea)	130-Packaging	5113815
MS21141S-06-05	Rivet	20 Ea (20 ea)	130-Packaging	5108056

Job Allocations

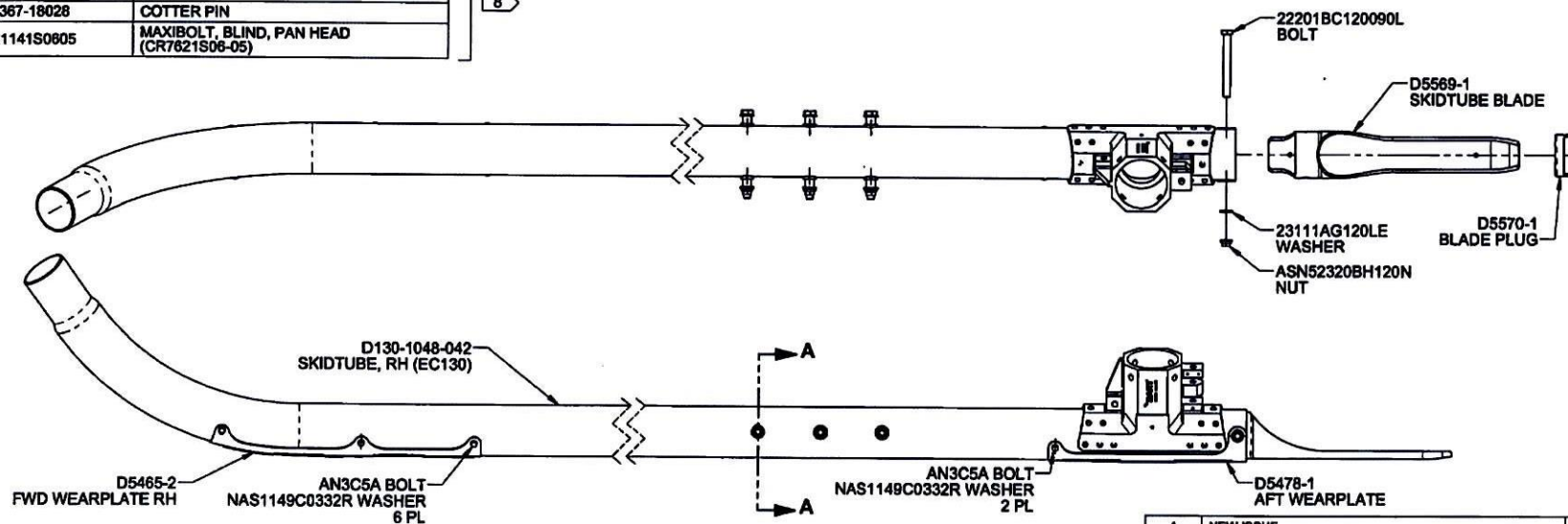
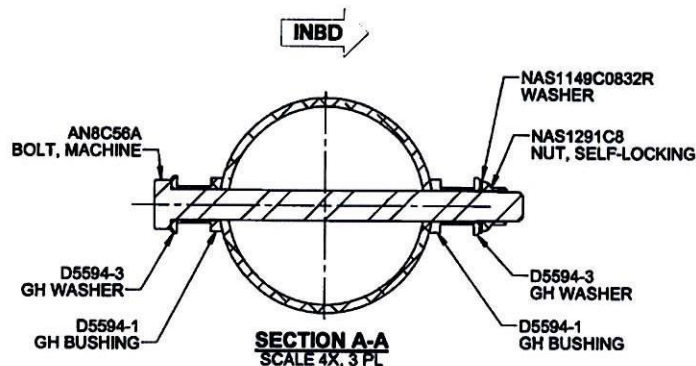
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22201BC120090L	1	10	0
	23111AG120LE	1	0	0
	AN3C5A	8	1,850	0
	AN8C56A	3	30	0
	ASN52320BH120N	1	19	0
	D130-1048-042	1	2	0
	D5465-2	1	3	0
	D5478-1	1	6	0
	D5569-1	1	9	0
	D5570-1	1	8	0
	D5594-1	6	0	0
	D5594-3	6	0	0
	NAS1149C0332R	8	4,327	0
	NAS1149C0832R	3	400	0
	NAS1291C8	3	50	0
	23111AG100LE	1	10	0
	ASNA0045BC100L	1	12	0
130-Packaging	DHS411-101.3106	1	10	0
	EN2367-18028	1	0	0
	MS21141S-06-05	20	100	0

Part Specifications

Specifications could not be found.

Plex 10/3/18 1:38 PM dart.white.jesse

QTY -012	P/N	DESCRIPTION
X	D130-1048-012	SKIDTUBE INSTALLATION, RH (EC130)
1	D130-1048-042	SKIDTUBE ASSY, RH (EC130)
1	D5465-2	FWD WEARPLATE RH
1	D5478-1	AFT WEARPLATE
1	D5569-1	SKIDTUBE BLADE
1	D5570-1	BLADE PLUG
6	D5594-1	GH BUSHING
6	D5594-3	GH WASHER
1	22201BC120090L	BOLT
1	23111AG120LE	WASHER
8	AN3C5A	BOLT
3	AN8C56A	BOLT, MACHINE
1	ASN52320BH120N	NUT
8	NAS1149C0332R	WASHER
3	NAS1149C0832R	WASHER
3	NAS1291C8	NUT, SELF-LOCKING
1	23111AG100LE	WASHER
1	ASNA0045BC100L	NUT, CATELLATED
1	DHS411-101.3106	BOLT
1	EN2367-18028	COTTER PIN
20	MS21141S0805	MAXIBOLT, BLIND, PAN HEAD (CR7621S06-05)



D130-1048-012 SKIDTUBE INSTALLATION, RH (EC130)

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: N/A
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 25.41 lbs
 - 8) HARDWARE NOT SHOWN. TO BE SHIPPED LOOSE.

RELEASED

2018 OCT 02
EN 18-017

APPROVED

A NEW ISSUE		ZF	18.05.08
REV.	DESCRIPTION	BY	DATE
DESIGN	NO	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	JFS	D130-1048-012	SHEET 1 OF 1
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	SKIDTUBE INSTL, RH (EC130)	NTS
DATE	18.05.08	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>184196</u> Part No. <u>D130-1048-012</u>		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☒ Water Jet ☐ Supplier ☐ Quality ☐					
Date: <u>12/10/5</u>		Sequence #:		QTY Affected :			MRB (QSI042)		
Description Work Order Deviation				Disposition					
D5569-1 Skidtube blade and D5570-1 Blade plug not installed on D130-1048-011 or -012 skidtube assembly. GH Lugs (D5594-1/-3, NAS1291C8 Nut NAS1144C0832R washer, AN8C56A bdt) will not be installed on D130-1048-011/-012 skidtube assembly.				Acceptable for testing, use as is				DAS 12 9-89 <u>12/10/5</u>	
								Completed By DAS 12 9-89 <u>12/10/5</u>	
								Lead hand / Supervisor DAS 9 9-89 <u>18-10-05</u>	
								QC / QA Coordinator DAS 9 9-89 <u>18-10-05</u>	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread							
		Other/Details:							

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>134126</u> Part No. <u>D130-1048.012</u> NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☒ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval DAS 12 9-89 14/10/5				
Description Work Order Deviation				Disposition				Completed By DAS 12 9-89 14/10/5			
no inventory 23111 AG120LE washer				use NAS 1149 D08635 washer instead				Lead hand / Supervisor Approval Verification DAS 9 9-89 18-10-05			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐						QC / QA Coordinator Approval DAS 9 9-89 18-10-05	
				OTHER : _____							

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>134126</u> Part No. <u>D130-1048-012</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date : _____	Sequence #: _____	QTY Affected : _____	MRB (QSI042) UP DAS 12 12/10/5 9-89	
Description Work Order Deviation EN2367-18028 roller pin not picked as part of D130-1048-011/-012		Disposition Acceptable for testing, use as is		Completed By DAS 12 12/10/5 9-89
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		
Other/Details: _____ _____ _____		QC / QA Coordinator DAS 9 12-10-05 9-89		